



IFWO

RAW SEQUENCE LISTING

DATE: 08/20/2004

PATENT APPLICATION: US/10/808,964A

TIME: 10:35:11

Input Set : A:\AM100878 CIP.txt

Output Set: N:\CRF4\08202004\J808964A.raw

3 <110> APPLICANT: Meng, Xiang-Jin
 4 Fenaux, Martijn
 5 Halbur, Patrick G.
 7 <120> TITLE OF INVENTION: Chimeric Infectious DNA Clones, Chimeric Porcine
 Circoviruses and

8 Uses Thereof

10 <130> FILE REFERENCE: AM100878 CIP

12 <140> CURRENT APPLICATION NUMBER: 10/808,964A

13 <141> CURRENT FILING DATE: 2004-03-25

15 <160> NUMBER OF SEQ ID NOS: 32

17 <170> SOFTWARE: PatentIn version 3.2

19 <210> SEQ ID NO: 1

20 <211> LENGTH: 1768

21 <212> TYPE: DNA

22 <213> ORGANISM: Porcine circovirus

24 <400> SEQUENCE: 1

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39	ccattcttct	tgctgggcat	gttgctgctg	aggtgctgcc	gaggtgctgc	cgctgccgaa	480
41	gtgcgctggg	aatacttaca	gcgcacttct	ttcgttttca	gctatgacgt	atccaaggag	540
43	gcgttaccgc	agaagaagac	accgcccccg	cagccatctt	ggccagatcc	tccgccgccg	600
45	cccctggctc	gtccaccccc	gccaccgcta	ccgttgagga	aggaaaaatg	gcattctcaa	660
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49	ctgggcggtg	gacatgatga	gatttaatat	tgacgacttt	gttcccccg	gaggggggac	780
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65	taaagacccc	ccacttaaac	cctaaatgaa	taataaaaaac	cattacgaag	tgataaaaaa	1260
67	gactcagtaa	tttatttcat	atggaaattc	agggcatggg	ggggaaagg	tgacgaactg	1320
69	gcccccttcc	tccgtggatt	gttctgtagc	attcttccaa	aataccaaga	aagtaatcct	1380
71	ccgatagaga	gcttctacag	ctgggacagc	agttgaggag	taccattcca	acggggtctg	1440
73	attgctggta	atcagaatac	tgccgggcca	aaaagggtaca	gttccacctt	tagtctctac	1500
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77	gtcatcaata	acaaccactt	cttcaccatg	gtaaccatcc	caccacttgt	ttctaggtgg	1620
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87 <211> LENGTH: 1773
88 <212> TYPE: DNA
89 <213> ORGANISM: Porcine circovirus
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96 ctggtaatca aaatactgcg ggccaaaaaa ggaacagtac cccctttagt ctctacagtc 180
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102 cagtaggtgt ccctaggctc agcaaaatta cgggcccact ggctcttccc acaaccgggc 360
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106 ttcaaaagtt cagccagccc gcggaaatth ctcacatacg ttacaggaaa ctgctcggct 480
108 acagtcacca aagaccccggt ctccaaaagg gtactcacag cagtagacag gtcgctgcgc 540
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114 cacttcacct tgttaaaagt ctgcttctta gcaaaattcg caaacccctg gaggtgagga 720
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122 ccgctgccga agtgcgctgg taatactaca gcagcgcact tctttcactt ttataggatg 960
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142 cagcttttga tgaggctaca aacctctaga aatgtggacc acgtaggcct cggcactgcg 1560
144 ttcgaaaaca gtatatacga ccaggactac aatatccgtg taaccatgta tgtacaattc 1620
146 agagaattta atcttaaaga cccccactt aaaccctaaa tgaataaaaa taaaaaccat 1680
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163 aaaaatggca tcttcaacac ccgctctccc cgcaccttcg gatatactgt caaggctacc 180
165 acagtcagaa cgcctcctcg ggcggtggac atgatagat ttaatttga cgactttgtt 240
167 cccccgggag gggggaccaa caaatctct ataccctttg aatactacag aataagaaa 300
169 gttaagggtg aattctggcc ctgctcccc atcaccaggt gtgatagggt agtgggctcc 360
171 actgctgtta ttctagatga taactttgta acaaaggcca cagccctaac ctatgacca 420

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175 ttcacaccca aacctgttct tgactccacc attgattact tccaaccaa taacaaaagg      540
177 aatcagcttt ggatgagget acaaacctct agaaatgtgg accacgtagg cctcggcact      600
179 gcgttcgaaa acagtatata cgaccaggac tacaatatcc gtgtaacctat gtatgtacaa      660
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187 <213> ORGANISM: Porcine circovirus
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196 20 25 30
199 Arg His Arg Tyr Arg Trp Arg Arg Lys Asn Gly Ile Phe Asn Thr Arg
200 35 40 45
203 Leu Ser Arg Thr Phe Gly Tyr Thr Val Lys Ala Thr Thr Val Arg Thr
204 50 55 60
207 Pro Ser Trp Ala Val Asp Met Met Arg Phe Asn Ile Asp Asp Phe Val
208 65 70 75 80
211 Pro Pro Gly Gly Gly Thr Asn Lys Ile Ser Ile Pro Phe Glu Tyr Tyr
212 85 90 95
215 Arg Ile Arg Lys Val Lys Val Glu Phe Trp Pro Cys Ser Pro Ile Thr
216 100 105 110
219 Gln Gly Asp Arg Gly Val Gly Ser Thr Ala Val Ile Leu Asp Asp Asn
220 115 120 125
223 Phe Val Thr Lys Ala Thr Ala Leu Thr Tyr Asp Pro Tyr Val Asn Tyr
224 130 135 140
227 Ser Ser Arg His Thr Ile Pro Gln Pro Phe Ser Tyr His Ser Arg Tyr
228 145 150 155 160
231 Phe Thr Pro Lys Pro Val Leu Asp Ser Thr Ile Asp Tyr Phe Gln Pro
232 165 170 175
235 Asn Asn Lys Arg Asn Gln Leu Trp Met Arg Leu Gln Thr Ser Arg Asn
236 180 185 190
239 Val Asp His Val Gly Leu Gly Thr Ala Phe Glu Asn Ser Ile Tyr Asp
240 195 200 205
243 Gln Asp Tyr Asn Ile Arg Val Thr Met Tyr Val Gln Phe Arg Glu Phe
244 210 215 220
247 Asn Leu Lys Asp Pro Pro Leu Lys Pro
248 225 230
251 <210> SEQ ID NO: 5
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254 <213> ORGANISM: Porcine circovirus
256 <400> SEQUENCE: 5
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260 <210> SEQ ID NO: 6
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306 <211> LENGTH: 30
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324 <211> LENGTH: 35
325 <212> TYPE: DNA
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334 <212> TYPE: DNA
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VERIFICATION SUMMARY

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